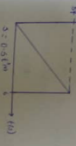


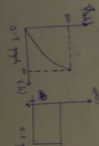
Name: Arjun Roll No: 1051001015  
 Date: 10/05/2025  
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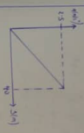
$v = 0.4t$   
 $v = 4 \text{ m/s}$   
 $a = 0.4 \text{ m/s}^2$

$v = 4t$   
 $v = 4(10) = 40 \text{ m/s}$   
 $a = 4 \text{ m/s}^2$

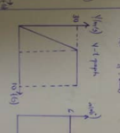
$S = \int v dt = \int 4t dt = 2t^2$   
 $S = 2(10)^2 = 200 \text{ m}$



$v = 0.25t$   
 $v = 0.25(10) = 2.5 \text{ m/s}$   
 $a = 0.25 \text{ m/s}^2$



$v = 0.25t$   
 $v = 0.25(10) = 2.5 \text{ m/s}$   
 $a = 0.25 \text{ m/s}^2$



$v = 0.5t$   
 $v = 0.5(10) = 5 \text{ m/s}$   
 $a = 0.5 \text{ m/s}^2$

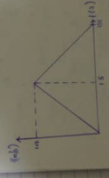
$S = \int v dt = \int 0.5t dt = 0.25t^2$   
 $S = 0.25(10)^2 = 25 \text{ m}$



Answer: 1051001015

$S = 200 \text{ m}$   
 $v = 4t$   
 $v = 4(10) = 40 \text{ m/s}$

$S = \int v dt = \int 4t dt = 2t^2$   
 $S = 2(10)^2 = 200 \text{ m}$



$v = 0.5t$   
 $v = 0.5(10) = 5 \text{ m/s}$   
 $a = 0.5 \text{ m/s}^2$

$S = \int v dt = \int 0.5t dt = 0.25t^2$   
 $S = 0.25(10)^2 = 25 \text{ m}$

